

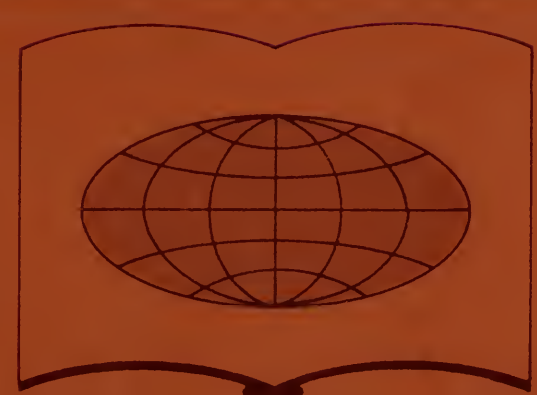
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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

January 5, 1968

Number 1

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural, ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

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- 20 Crop Protection
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Apis mellifera, Insect hormones, Insect physiology, Insect hormones.

74-68

EFFECT OF ZECTRAN, SEVIN, AND OTHER NEW CARBAMATE INSECTICIDES UPON INSECT POPULATIONS FOUND ON VEGETABLE AND FIELD CROPS IN SOUTHERN CALIFORNIA.

H H Shorey H T Reynolds L D Anderson

J Econ Entom 55(1):5-11 TABS.

Feb 1962 421 J822

Carbamates, Carbaryl, Field crops, Insecticides, Vegetables, Zectran.

75-68

A NUCLEAR POLYHEDROSIS OF *ERANNIS TILIARIA* (HARRIS) (LEPIDOPTERA: GEOMETRIDAE).

W A Smirnoff

J Invertebrate Path 4(4):393-400

Dec 1962 421 J826

Epizootic diseases, Polyhedroses.

76-68

TRANS-OVUM TRANSMISSION OF VIRUS OF NEODIPRION SWAINEI MIDDLETON (HYMENOPTERA, TENTHREDINIDAE).

W A Smirnoff

J Invertebrate Path 4(2):192-200, TABS.

Jun 1962 421 J826

Polyhedroses.

77-68

EDITORIAL. NONINFECTIOUS DISEASE: AN AREA OF NEGLECT IN INSECT PATHOLOGY.

E A Steinhaus

J Invertebrate Path 4(1):I-VIII

Mar 1962 421 J826

Insect diseases, Microorganisms.

78-68

A STRAIN OF *STREPTOCOCCUS FAECALIS* ANDREWES AND HORDER PRODUCING MORTALITY IN LARVAE OF *GALLERIA MELLONELL* (LINNAEUS).

J M Stephens

J Invertebrate Path 4(2):267-268

Jun 1962 421 J826

79-68

VIABILITY OF EGGS AND SURVIVAL OF LARVAE OF YELLOW-FEVER MOSQUITO SUBJECTED TO ULTRACENTRIFUGATION.

W N Sullivan J D Rosenthal L A Terzian C L Graham

J Econ Entom 59(5):1307-1308, BIBL

Oct 1966 421 J822

Aedes aegypti, Centrifuges, Insect eggs, Larvae, Mortality.

80-68

THE DISPERSION OF SPORES OF A NOSEMA ATTACKING *PHILOSAMIA RICINI* HUTTON.

J N Talukdar

J Invertebrate Path 4(1):128-129

Mar 1962 421 J826

81-68

EFFECT OF A MICROSPORIDIAN SPORE SUSPENSION ON THE INCIDENCE OF CYTOPLASMIC POLYHEDROSIS IN THE ALFALFA CATERPILLAR, *COLIAS EURYTHEME* BOISDUVAL.

Y Tanada

J Invertebrate Path 4(4):495-497

Dec 1962 421 J826

Cytoplasm, Microsporidia, Polyhedroses, Microsporidia.

82-68

AN EPIZOOTIC RESULTING FROM A MICROSPORIDIAN AND TWO VIRUS INFECTIONS IN THE ARMYWORM *PSEUDALETIA UNIPUNCTA* (HAWORTH).

Y Tanada G Y Chang

J Invertebrate Path 4(1):129-131

Mar 1962 421 J826

Microsporidian, *Pseudaletia unipuncta*, Microsporidian.

83-68

FRUIT-TREE LEAF ROLLERS ON PLANT TISSUE CULTURES AND ON LEAVES OF *GINKGO BILOBA*.

W Tulecke L Colavito

J Econ Entom 59(5):1277-1278

Oct 1966 421 J822

Archips argyrospilus, *Ginkgo biloba* (L.), Leaves, Tissue culture.

84-68

EFFECT OF TEMPERATURE ON CERTAIN STAGES OF THE FACE FLY.

E C Turner Jr J A Alexander

J Econ Entom 59(5):1275-1276

Oct 1966 421 J822

Life stages, *Musca autumnalis*, Temperature.

85-68

ON AN INFECTION OF *TRIBOLIUM* SPP. BY THE SPOROZOAN *TRIBOLIOCYSTIS* GARNHAM DISSANAIKE.

P S Tyler

J Invertebrate Path 4(2):270-272

Jun 1962 421 J826

86-68

GENERATION-TO-GENERATION TRANSMISSION OF THE CYTOPLASMIC POLYHEDROSIS VIRUS OF THE SILKWORM, *BOMBYX MORI* (LINNAEUS).

J Invertebrate Path 4(1):132-135

Mar 1962 421 J826

Polyhedroses.

- 87-68
POPULATION QUALITY AND THE MAINTENANCE OF NUCLEAR POLY-
HEDROSIS BETWEEN OUTBREAKS OF MALACOSOMA PLUVIALE (DYAR).
W G Wellington
J Invertebrate Path 4(3):285-305, TABS
Sep 1962 421 J826
Insect diseases, Polyhedroses.

- 88-68
OBSERVATIONS ON THE EFFECTS OF FEEDING LARGE QUANTITIES OF
BACILLUS THURINGIENSIS BERLINER TO HONEY BEES.
W T Wilson
J Invertebrate Path 4(2):269-270
Jun 1962 421 J826
Bacillus thuringiensis Berliner,
Bacillus thuringiensis Berliner.

- 89-68
AN ENTOMOPHTHORA INFECTION IN THE LARVA OF THE TIGER MOTH,
CREATONOTUS GANGIS (LINNAEUS).
D F Yen
J Invertebrate Path 4(1):88-94, PL.
Mar 1962 421 J826

Genetics

- 90-68
PHENOGENETICS OF THE LOZENGE LOCUS IN DROSOPHILA MELANO-
GASTER MEIGEN. III. GENETICALLY INDUCED PATHOLOGIES OF
THE OVARIES.
H A Bender M M Green
J Invertebrate Path 4(3):371-380, TABS.
Sep 1962 421 J826
Insect genetics, Insect mutation, Ovaries.

- 91-68
GENETIC STUDIES ON INSECTICIDE RESISTANCE.
G P Georghiou
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Insect genetics, Insecticide resistant insects, DDT .

20 CROP PROTECTION

- 92-68
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SOCIETY.
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Abstracts, Phytopathology, Plant diseases, Reports,
Abstracts.

- 93-68
WINTER SURVIVAL OF WHEAT IN CHLOROPICRIN TREATED SOIL.
G W Buchenau
Plant Dis R 47(7):602-604
15 Jul 1963 1.9 P69P
Chloropicrin, Soil fumigation, Wheat, Chloropicrin.

- 94-68
THEORY AND PRINCIPLES OF SOIL FUMIGATION.
C A I Goring
Advances Pest Contr R 5:47-84, BIBL. 76-84
16 Jan 1963 421 AD9
Fumigants, Pest control, Soil chemistry, Soil fumigation.

- 95-68
TERMINAL STUNT OF COTTON IN SOUTH TEXAS.
B Sleeth R C Lambe J L Hubbard
Plant Dis R 47(7):587-588
15 Jul 1963 1.9 P69P
Texas, Texas.

- 96-68
MUD-WILT OF TOMATO AND ITS PREVENTION.
P A Young
Plant Dis R 47(9):831-833
15 Sep 1963 1.9 P69P
Mud wilt (tomatoes), Sandy soils.

- 97-68
SAND BLAST OF TOMATO AND OTHER CROPS.
P A Young
Plant Dis R 47(9):834-835
15 Sep 1963 1.9 P69P
Dunes, Plant injuries, Sand blasting (tomatoes).

Diseases

- 98-68
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DIVISION OF THE AMERICAN PHYTOPATHOLOGICAL SOCIETY.
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Abstracts, Phytopathology.

- 99-68
OCCURRENCE OF CERCOSPORA WEBSTERI ON TUNG IN THE UNITED
STATES.
T van Der Zwet
Plant Dis R 47(1):70-71
15 Jan 1963 1.9 P69P
Leaf spot (tung), Leaf spot (tung).

- 100-68
VARIABILITY IN SUSCEPTIBILITY OF NICOTIANA SPECIES TO
ALTERNARIA LONGIPES.
C von Ramm G B Lucas
Plant Dis R 47(5):369-371
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Mosaic (white clover), United States, White clover, Yellow mosaic (clover), United States.
- 102-68
SOME EFFECTS OF FUNGICIDES ON ESTABLISHED APPLE SCAB LEAF LESIONS.
J J Albert J W Heuberger
Phytopatholo 52(2):162
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Apples, Fungicides, Scab (apples).
- 103-68
SCLEROTINIA CAMELLIAE CULTURES REMAIN VIABLE IN LIQUID MEDIUM.
D M Alford J B Sinclair
Phytopatholo 52(2):175-177
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Culture media.
- 104-68
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T C Allen Jr
Plant Dis R 47(10):920-923, BIBL. 922-923.
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Oregon, Potatoes, Rattle disease (tobacco), Tobacco, Oregon.
- 105-68
RIO GRANDE GUMMOSIS OF MARSH GRAPEFRUIT IN ARIZONA.
R M Allen R B Streets M R Nelson
Phytopatholo 52(4):359
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Arizona, Foot rot (citrus), Grapefruit, Arizona.
- 106-68
LONGEVITY OF CERATOCYSTIS FAGACEARUM (BRETZ) HUNT IN THE PRESENCE OF OTHER FUNGI IN THE ROOTS OF DEEP-GIRDLED OAK WILT TREES.
R E Amos
Phytopatholo 52(2):162
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Ceratocystis fagacearum (bretz) Hunt, Longevity, Quercus, Roots, Wilt (quercus).
- 107-68
SUSCEPTIBILITY OF RICE TO A STRAIN OF THE SUGARCANE MOSAIC VIRUS.
L Anzalone Jr
Plant Dis R 47(7):583-584
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Mosaic (sugarcane), Plant disease resistance, Rice.
- 108-68
IN VITRO TOXICITY OF VARIOUS FIXED AND ESSENTIAL OILS TO THE PECAN SCAB FUNGUS, FUSICLADIUM EFFUSUM.
G L Barnes
Plant Dis R 47(2):114-117, BIBL. 117
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Fusicladium effusum, Oils, Scab (pecans), Toxicology, Fusicladium effusum, Scab (pecans).
- 109-68
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C H Beckman S Halmos M E Mace
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Bananas, Fusarium, Soil temperature, Wilt (bananas).
- 112-68
ASSAY AND PARTIAL PURIFICATION OF SELF-INHIBITORS OF GERMINATION FROM UREDOSPORES OF THE BEAN RUST FUNGUS.
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Assay, Rust (beans), Seed germination.
- 113-68
EFFECT OF SOIL TEMPERATURE AND FUNGICIDE PLACEMENT ON COTTON SEEDLING DAMPING-OFF CAUSED BY RHIZOCTONIA SOLANI.
D K Bell J H Owen
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Cotton, Damping-off (cotton), Fungicides, Rhizoctonia solani, Seedlings, Soil temperature, Rhizoctonia solani.
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CURLY TOP VIRUS CONTENT OF THE BEET LEAFHOPPER INFLUENCED BY VIRUS CONCENTRATION IN DISEASED PLANTS.
C W Bennett
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Cicadellidae, Curly top (sugar beets).
- 115-68
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F H Berry T W Bretz
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Ceratocystis fagacearum, Immunization, Plant disease transmission, Quercus, Roots. Wilt (quercus), Ceratocystis fagacearum.
- 116-68
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J Bird F L Wellman
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E C Blodgett M D Aichele J L Parsons
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Decline (pears), Immunization, Plant disease transmission.
- 120-68
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H E Bloss H W Crittenden
Phytopatholo 52(2):162-163
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Diaporthe phaseolorum var. sojae, Parasitism, Soybeans.
- 121-68
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Illinois, Illinois.
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M Boling C O Grogan J W Broyles
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Corn, Ear rot (corn), Epiphytes, Fusarium, Epiphytes, Fusarium.

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D L Bramlett A Kelman
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Chemicals, Cronartium fusiforme, Cycloheximide, Spore germination, Tree diseases, Cronartium fusiforme, Spore germination.
- 124-68
A SPRAY METHOD OF INOCULATING BUNCH-PLANTED SUGARCANE SEED-LINGS WITH MOSAIC VIRUS.
R D Breaux R L Tippet
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Immunization, Mosaic (sugarcane), Seedlings, Spraying, Sugarcane.
- 125-68
GLADIOLUS CORMELS FREE FROM CUCUMBER MOSAIC VIRUS FROM INFECTED PARENT CORMS.
D Brierley
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Corms, Gladiolus, Mosaic (cucumbers), Corms.
- 126-68
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Bacterial wilt (bananas), Pseudomonas solanacearum, Bacterial wilt (bananas), Pseudomonas solanacearum.
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Citranges, Rootstock, Tatter-leaf (citrange), Tatter-leaf (citrus), Tree diseases, Rootstock.
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Bananas, Chemical control (plant diseases).
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Drug therapy, Mosaic (tobacco), Purines, Pyrimidines.
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J J Christensen
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J J Christensen
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Sap, Virus diseases (plants).
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D F Crossan D J Fieldhouse A L Morehart J F Baniecki
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Rot (tomatoes), Soil treatment, Soil treatment.
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Yeast-spot disease.
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Cristulariella pyramidalis.
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Bananas, Cellulase, Fusarium oxysporum, Pectase,
Plant disease resistance, Fusarium oxysporum.
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Fusarium, Pectase, Plant disease resistance, Tomatoes,
Fusarium.
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Citrus, Cucumbers, Plant disease resistance,
Psrrosis (oranges).
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Antibiotics, Pseudomonas syringae.
- 162-68
INHIBITION OF TOBACCO MOSAIC VIRUS INFECTION BY PLANT
RIBONUCLEASES.
T O Diener
Phytopatholo 52(2):163
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Chemical control (plant diseases), Mosaic (tobacco).
- 163-68
FURTHER STUDIES CONCERNING THE SPREAD OF HOUSE-DECAY
FUNGI THROUGH SOIL TO LIVING TREES.
J D Diller E J Koch
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Soil contamination, Trees.
- 164-68
SOME PHYTOPHTHORA DISEASES OF ORNAMENTAL PLANTS IN
SOUTHERN CALIFORNIA.
J E Dimitman
Phytopatholo 52(4):361
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California, Ornamental plants, Phytophthora, California,
Phytophthora.
- 165-68
EFFECT OF TEMPERATURE ON DEVELOPMENT OF OOSPORES BY
PHYTOPHTHORA PHASEOLI THAXT. ON LIMA BEAN SEEDLINGS.
C Drechsler R E Wester
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- Lima beans, *Phytophthora phaseoli* Thaxt., Temperature.
15 May 1963 1.9 P69P
Grasses, Turf.
- 166-68
NATURAL OCCURRENCE OF BEET WESTERN AND MALVA YELLOWS VIRUSES ON FLAX.
J E Duffus
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Flax, Yellows (beets).
- 167-68
INCIDENCE OF BEET VIRUS DISEASES IN RELATION TO OVERWINTERING BEET FIELDS.
J R Duffus
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15 May 1963 1.9 P69P
Beets, Hibernation, Sugar beets, Virus diseases (plants).
- 168-68
AN IMPROVED INOCULATION TECHNIQUE FOR TRANSMISSION OF FALSE BROOMRAPE TO FLUE-CURED TOBACCO.
P D Dukes Jr, S F Jenkins R W Toler
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- 169-68
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L K Edmunds
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Head smut (sorghum), Plant disease resistance, Sphacelotheca reiliana, Sporidia, Sphacelotheca reiliana, Sporidia.
- 170-68
NEW RECORDS OF POWDERY MILDEWS.
C W Ellett
Plant Dis R 47(4):289-291, BIBL. 290-291
15 Apr 1963 1.9 P69P
Herbariums, Host indexing (plants), Powdery mildew, Powdery mildew.
- 171-68
DISEASE DAMAGE IN FORAGE GRASSES.
E S Elliott
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Grasses, Plant diseases.
- 172-68
APRICOT DIEBACK FUNGUS FOUND ON WESTERN CHOKE-CHERRY.
H English J R Davis
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15 Feb 1965 1.9 P69P
Dieback (apricots), Prunus demissa.
- 173-68
CYTOSPORINA DIE-BACK, A NEW DISEASE OF APRICOT IN NORTH AMERICA.
H English J R Davis Devay
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Apricots, Dieback (apricots), North America.
- 174-68
ATTEMPTS TO CONTROL SPREADING DECLINE OF CITRUS WITH HIGH RATES OF NEMATOCIDES APPLIED BY SPRINKLER IRRIGATION.
A W Feldman E P DuCharme R F Suit
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Chemical control (nematodes), Citrus, Decline (oranges), Nematocides, Sprinkler irrigation.
- 175-68
SUSCEPTIBILITY OF PERFECTION-TYPE PEAS TO BEAN YELLOW MOSAIC VIRUS.
R E Ford
Plant Dis R 47(5):384-388
15 May 1963 1.9 P69P
Peas, Plant disease resistance, Virus diseases (plants), Yellow mosaic (beans).
- 176-68
REACTION OF TURFGRASSES TO ATTACK BY PHYTHIUM APHANIDERMATUM (EDSON) FITZPATRICK.
T E Freeman G C Horn
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- 177-68
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J H Freitag
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Aster yellows (vegetables), Cicadellidae, Legumes.
- 178-68
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J H Freitag C M Tompkins
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- 179-68
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E R French B W Kennedy
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Fusarium, Inoculum, Minnesota, Pathogenesis, Rhizoctonia, Root rot (soybeans), Fusarium, Inoculum, Minnesota, Pathogenesis, Rhizoctonia.
- 180-68
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D A Freter R D Wilcoxon
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15 May 1963 1.9 P69P
Gomphrena globosa, Mosaic (alfalfa), Vein mosaic (red clover), Gomphrena globosa.
- 181-68
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P R Fridlund
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Green ring mottle (cherries), Mazzard cherries, Tree diseases.
- 182-68
THE PERFORMANCE OF SEVERAL NEW CHEMICALS FOR THE CONTROL OF FIREBLIGHT ON PEAR.
F R Fronck E J Klos
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Chemical control (plant diseases), Erwinia amylovora, Fire blight (pears), Erwinia amylovora.
- 183-68
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P R Fry R G Grogan J W Lyttleton
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- 184-68
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Xiphinema americanum, Xiphinema americanum.
- 185-68
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Bananas, Cercospora musae, Cercospora musae.
- 186-68
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California, Fusarium, Root-knot nematode, Wilt (cotton), California, Fusarium, Root-knot nematode.

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Tree control, Wilt (*quercus*), Wood decay, Wilt (*quercus*).
California.
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Plant disease transmission, Pollen, Tree diseases, Viruses, Yellows (cherries).
- 189-68
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G W Gorsline W I Thomas D E Baker C C Wernham
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- 191-68
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Necrotic ring spot (blueberries), Nematode vectors, *Xiphinema americanum*, Nematode vectors, *Xiphinema americanum*.
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R H Gruenhagen C Fordyce
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Inoculum, Pathogenesis, *Verticillium albo-atrum*, Inoculum, Pathogenesis, *Verticillium albo-atrum*.
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California, Corn, Head smut (corn), *Sphacelotheca reiliana*.
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- 200-68
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- 204-68
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- 206-68
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F J Hills L D Leach
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- 208-68
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Ceratocystis ulmi, Dieback (*ulmus*), Plant disease transmission, Roots, Vapam, *Ceratocystis ulmi*, Vapam.

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E L Hobbs
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- 211-68
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J A Hoes I H Tyson
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Crop varieties, Melampsora lini, Rust (flax), Melampsora lini.
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I Hosein H Schneider
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Cucurbitaceae, Mosaic (papayas), Papayas, Cucurbitaceae.
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Methyl bromide, Pseudomonas solanacearum, Soil fumigation, Pseudomonas solanacearum.
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S S Ivanoff
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C R Jackson
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Aspergillus niger, Crown rot (peanuts), Fungicides, Peanuts, Seed treatment, Seeds, Aspergillus niger.
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S F Jenkins Jr P D Dukes S S Thompson
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- 224-68
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Cotton, Macrophomina phaseoli, Macrophomina phaseoli.
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Hoja blanca (rice), Insect vectors, Louisiana, Rice, Louisiana.
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Organic compounds, Soils, Toxicology, 1,3-dichloropropene.
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L F Lippert M O Hall
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Plant decay, Tipburn (lettuce).
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Fusarium, Peas, Root rot (peas), Fusarium.
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J H Lopez-Rosa
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Hydroponics, Puerto Rico, Spraying, Puerto Rico.
- 252-68
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J W Lorbeer
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California, Fungi, Streptomyces ipomoea.

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GERM TUBES AND HYPHAE OF PUCCINIA ASPARAGI.
K R Lubani M B Linn
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Puccinia asparagi.
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BROWN SPOT INCIDENCE OF FLUE-CURED TOBACCO.
G B Lucas C von Ramm
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Brown spot (tobacco), Flue-cured tobacco, Gibberellins,
Indoleacetic acid, Kinetin.
- 255-68
INHIBITION OF SEVERAL PLANT VIRUSES BY MILK.
G B Lucas
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Milk, Viruses.
- 256-68
RYE ANTHRACNOSE.
H H Luke D T Sechler
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Anthracnose (rye), Crop yields, Rye.
- 257-68
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VARIETIES EXPRESSING VARIABLE REACTIONS TO HELMINTHOSPORIUM
VICTORIAE.
H H Luke T E Freeman
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Helmintosporium victorae, Oats, Tricarboxylic acid cycle,
Victorin.
- 258-68
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Measurement.
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H H Luke P L Pfahler
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Chemical control (plant diseases), Rye, Virulence.
- 260-68
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SAGO PONDWEED (POTAMOGETON PECTINATUS).
R D Lumsden D E Ellis J L Sincock
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Chlorosis (plants), Host indexing (plants), Plant injuries,
Rhizoctonia.
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E S Luttrell J P Craigmiles
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Bromus catharticus, Bromus willdenovii,
Head smut (rescuegrass), Ustilago bullata Berk..
- 262-68
HISTOCHEMISTRY OF PHENOLS IN HEALTHY AND FUSARIUM-INVADDED
GROS MICHEL BANANA ROOTS.
M E Mace
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Bananas, Fusarium, Gros Michel, Histochemistry, Phenols.
- 263-68
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Late blight (potatoes), Plant disease resistance, Potatoes.
- 265-68
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K Maramorosch A L Martinez S Maisey
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Aster yellows (aster), Asters, Plant translocation.
- 266-68
PRESENT STATUS OF CADANG-CADANG YELLOW MOTTLE DECLINE.
K Maramorosch
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Coconuts, Cocos nucifera, Decline (coconuts),
Kadang-kadang (coconuts).
- 267-68
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R B Marlatt R W Lewis R T McKittrick
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Downy mildew (lettuce), Lettuce.
- 268-68
LETTUCE DOWNY MILDEW SYSTEMIC INFECTION.
R B Marlatt R T McKittrick R W Lewis
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Downy mildew (lettuce), Lettuce.
- 269-68
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Cicadellidae, Dalbulus maidis, Insect vectors, Stunt (corn),
Dalbulus maidis.
- 270-68
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CURLY TOP EXPOSURE IN DIFFERENT AREAS OF THE WEST.
M W Martin
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Curly top (tomatoes), Lycopersicon,
Plant disease resistance, Lycopersicon.
- 271-68
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FUNGI.
J C Maruzzella
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Fungi, Oils, Perfumes.
- 272-68
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BACTERIA.
J C Maruzzella C C Kleinberg C J Urso
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Chemical control (plant diseases), Chemicals,
Corynebacterium michiganense, Vapors,
Corynebacterium michiganense.
- 273-68
1,6-HEXANEDITHIOL DIACETATE AS A DIP NEMATOCIDE FOR BARE
ROOTED NURSERY STOCK.
C W McBeth J E Larson S T Ichikawa
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Nursery stock (horticulture), Roots.
- 274-68
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Fungus diseases (plants), Temperature, White clover.
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C D McKeen R N Wensley
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Fusarium oxysporum, Soil contamination, Wilt diseases (plants).
- 277-68
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Lettuce, Mosaic (lettuce).
- 278-68
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Cantaloupes, Ring spot (tobacco), Seed-borne plant diseases.
- 279-68
EFFECT OF STRIPE RUST ON YIELD AND TEST WEIGHT OF WHITE SPRING WHEAT VARIETIES AT BOZEMAN, MONTANA IN 1962.
F H McNeal E L Sharp
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Crop losses, Crop varieties, Crop yields, Stripe rust (wheat).
- 280-68
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D S Meredith
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Costa Rica, Pitting disease (bananas), Costa Rica.
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Callus (plants), Puccinia graminis, Wheat.
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A A Millecan C W Nichols W M Brown Jr
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Bark measles (pears), California, Pears, California.
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C R Miller J E Halpin
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Crop yields, Genetics, Mosaic (alfalfa), White clover, Yellow mosaic (beans).
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H N Miller A A DiEdwardo
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Leaf gall (siderasis fuscata), Meloidogyne incognita, Nematodes, Plant nematodes, Root knot, Siderasis fuscata.
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THE HOWE, AN APPARENTLY BLIGHT-RESISTANT- PERSIAN WALNUT VARIETY.
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Persian walnuts, Plant disease resistance.
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Crinkle (strawberries), Vein banding (strawberries), Yellow edge (strawberries).
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V L Miller C J Gould
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Blue mold (iris), Fungicides, Organic compounds.
- 288-68
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D F Millikan E E Pickett D D Hemphill
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Deficiency diseases, Leaf roll (grapes), Magnesium, Plant nutrition, Potassium, Proteins.
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Alabama, Plant nematodes, Alabama.
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Apples, Dodine, Scab (apples).
- 291-68
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L A Mitterling A C Bobb
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Apples, Connecticut, Plant disease resistance, Rust (apples), Connecticut.
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TESTING THE EFFECT OF VAPAM ON WEEDS AND FUNGI UNDER FIELD CONDITIONS.
H A Mohamed
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Fungi, Soil-borne plant diseases, Vapam, Weeds, Vapam.
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J N Moore A W Stretch
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Insect vectors, New Jersey, Plantations, Red ringspot (blueberries), New Jersey.
- 294-68
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D D Morey H C Murphy H H Luke
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Crown rust (oats), Oats.
- 295-68
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Tobacco.
- 296-68
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Crop yields, Loose smut (barley), Smut (barley), Ustilago nuda.
- 298-68
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Dj Morton A B Schooler G A Peterson
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Barley, Helminthosporium sativum, Plant disease resistance, Septoria passerinii.
- 299-68
ASSAY OF ALFALFA FOR ALFALFA MOSAIC VIRUS BY MEANS OF GEL DIFFUSION.
W C Mueller
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Alfalfa, Biological assay, Diffusion, Gels, Mosaic (alfalfa).
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R S Mullin N C Schenck
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Defoliation.
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Plant disease resistance, Temperature, Tomatoes, Virus reproduction, Viruses.
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S M Nash W C Snyder
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Beans, Fusarium, Root rot (beans), Fusarium.
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Dan Neely E B Himelick
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Dieback (ulmus), Plant disease transmission, Plant grafting, Roots.
- 305-68
EFFECT OF MOSAIC VIRUSES ON CANTALOUPE.
M R Nelson
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Crabapples, Powdery mildew (crabapples), Rust (apples), Scab (crabapples).
- 308-68
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North Carolina, Plant disease transmission, Temperature.
- 309-68
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Hyacinth dolichos, Mosaic (alfalfa), Sudan, Hyacinth dolichos, Sudan.
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M A Nour J J Nour
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Mosaic (broadbeans), Mosaic (peas), Sudan, Mosaic (peas), Sudan.
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Rhizopus, Rot (peaches), Temperature, 2,6-dichloro-4-nitroaniline.
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Environment, Gibberella zeae, Pith, Stalk rot (corn).
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Humidity, Dianthus caryophyllus.
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Crown rot (petunia), Petunia hybrida, Phytophthora parasitica.
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- 341-68
SEEDLING AND MATURE-PLANT REACTIONS OF WHEAT TO STRIPE RUST.
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- 342-68
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R D Raabe
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- 343-68
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- 344-68
SURVIVAL OF HELMINTHOSPORIUM ORYZAE IN SOIL AND ITS
INHIBITION BY BACILLUS MYCOIDES.
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- 346-68
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I Reicheri A Bental D Ginsburg
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Israel.
- 347-68
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Soil-borne plant diseases, Xiphinema.
- 348-68
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MEDICAGINIS.
B L Renfro R D Wilcoxson
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FORAGE LEGUMES.
B L Renfro
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Helminthosporium sorokinianum.
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- 352-68
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C T Rivera S H Ou M D Pathak
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- 353-68
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C N Roistacher
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Virus diseases (plants).
- 355-68
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North carolina, Virginia, North carolina, Virginia.
- 357-68
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D J Royle C J Hickman
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Crown rot (blueberries), Phytophthora cinnamoni,
Root rot (blueberries).
- 358-68
INTERRELATIONSHIP OF TOBACCO RINGSPOT VIRUS AND MELOIDOGYNE
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Infectious diseases, Temperature, Time.
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RIA NODORUM.
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- 395-68
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Florida, Sweetcorn, Florida.
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New Jersey, New Jersey.
- 435-68
INHIBITION OF SEPTORIA PASSERINII DEVELOPMENT IN EXCISED
BARLEY LEAVES BY HELMINTHOSPORIUM SATIVUM AND BY CELL-FREE
FILTRATES.
O Wibe D J Morton
Phytopatholo 52(4):373-375
Apr 1962 464.8 P56
Barley, Helminthosporium sativum, Helminthosporium sativum.
- 436-68
SIZE OF NECROTIC LESIONS IN STALKS OF ZEA MAYS IN RELATION
TO YIELD.
R D Wilcoxson L J Littlefield G A Bean
Plant Dis R 47(5):342-344
15 May 1963 1.9 P69P
Corn, Crop yields, Necrosis, Plant injuries, Corn.
- 437-68
CROP SEQUENCE AND STALK ROT OF CORN.
R D Wilcoxson R P Covey
Plant Dis R 47(11):960-961
15 Nov 1963 1.9 P69P
Crop rotation, Plant disease control, Stalk rot (corn).
- 438-68
STALK ROT IN RELATION TO YIELD OF CORN.
R D Wilcoxson
Phytopatholo 52(5):416-418, TABS.
May 1962 464.8 P56
Corn, Crop yields, Stalk rot (corn).
- 439-68
CORN PLANT POPULATIONS AND SIZE OF NECROTIC LESIONS IN
STALKS.
R D Wilcoxson R P Covey
Plant Dis R 47(11):962-963
15 Nov 1963 1.9 P69P
Corn, Lesions, Necrosis, Lesions.
- 440-68
VERTICILLIUM WILT OF OLIVES IN CALIFORNIA.
S Wilhelm W J Kaiser S G Georgopoulos K W Opitz
Phytopatholo 52(1):32
Jan 1962 464.8 P56
California, Olives, Verticillium, Wilt (olives).
- 441-68
NATURE AND INHERITANCE OF RESISTANCE TO ALBUGO CANDIDA IN
RAPHANUS SATIVUS.
P H Williams G S Pound
Phytopatholo 52(1):33
Jan 1962 464.8 P56
Albugo candida, Plant disease resistance, Radishes.
- 442-68
METABOLIC STUDIES ON THE HOST-PARASITE COMPLEX IN ALBUGO
CANDIDA ON RAPHANUS SATIVUS.
P H Williams G S Pound
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Albugo candida, Metabolism, Parasitism, Raphanus sativus..
- 443-68
DUTCH ELM DISEASE IN KANSAS IN 1962.
W G Willis C L Kramer H E Thompson
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15 May 1963 1.9 P69P
Dieback (ulmus), Kansas, Ulmus, Kansas.
- 444-68
DUTCH ELM DISEASE SURVEY IN ARKANSAS IN 1962.
C L Wilson
Plant Dis R 47(5):442
15 May 1963 1.9 P69P
Arkansas, Ceratocystis ulmi, Dieback (ulmus), Ulmus,
Arkansas, Ceratocystis ulmi.
- 445-68
HOST, PHYSIOLOGICAL, AND PHAGE RELATIONS OF PSEUDOMONAS
SAVASTONI AND P. TONELLIANA.
E E Wilson A Magie
Phytopatholo 52(1):33
Jan 1962 464.8 P56
Pseudomonas savastoni, Pseudomonas tonelliana.
- 446-68
EFFECT OF SPRAY OILS ON THE DEPOSITION AND RETENTION OF A
FIXED-COPPER FUNGICIDE.
J D Wilson O K Hedden
Plant Dis R 47(6):564-567, TABS.
15 Jun 1963 1.9 P69P
Copper, Fungicides, Leaf spot (celery),
Leaf spot (sugar beets), Oils.
- 447-68
SEASONAL VARIATION IN INCIDENCE OF RADISH YELLOWS AND EFFECT
OF CROP ROTATION ON PLANT SURVIVAL AND YIELD.
J D Wilson
Phytopatholo 52(1):33
Jan 1962 464.8 P56
Crop rotation, Crop yields, Environment, Yellows (radish).
- 448-68
CROP ROTATION AND THE CONTROL OF ROOT KNOT ON MUCK-GROWN
VEGETABLES.
J D Wilson
Phytopatholo 51(1):33
Jan 1962 464.8 P56
Crop rotation, Muck soils, Root knot (vegetables),
Vegetables.
- 449-68
EJECTION OF ASCOSPORES BY HYPOXYLON PRUINATUM DURING THE
WINTER IN MINNESOTA.
F A Wood D W French
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Hypoxyton pruinatum, Minnesota, Plant disease transmission,
Winter.
- 450-68
RELATION OF VARIATION IN HELMINTHOSPORIUM SATIVUM TO
SEEDLING BLIGHT OF SMALL GRAINS.
L S Wood
Phytopatholo 52(6):493-498, BIBL. 497-498, TABS.
Jun 1962 464.8 P56
Grain, Helminthosporium sativum, Helminthosporium sativum.
- 451-68
PECTIC ENZYME PRODUCTION BY THREE FUSARIUM SPP. FROM RED
CLOVER.
W Woodbury C C Chi E W Hanson
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Enzymes, Fusarium, Red clover.

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SOME EFFECTS OF FUSARIUM INFECTION OF TOMATO ON GROWTH, OXIDATION, AND PHOSPHORYLATION.

L C Wu R P Scheffer

Phytopatholo 52(4):354-358, TABS.

Apr 1962 464.8 P56

Fusarium, Oxidation, Phosphorylation, Plant physiology, Tomatoes, Fusarium, Oxidation.

453-68

EFFECT OF METABOLIC BY-PRODUCTS OF RHIZOCTONIA SOLANI ON THE ROOTS OF CHIPPEWA SOYBEAN SEEDLINGS.

T D Wyllie

Phytopatholo 52(3):202-206

Mar 1962 464.6 P56

Metabolism, Rhizoctonia solani, Soybeans, Rhizoctonia solani.

454-68

HEAT ADAPTATION IN CUCUMBER POWDERY MILDEW.

C E Yarwood

Plant Dis R 47(9):824-825

15 Sep 1963 1.9 P69P

Heat treatment, Powdery mildew (cucumbers), Heat treatment.

455-68

TRANSLOCATED STIMULI AFFECTING PLANT VIRUS INFECTIONS.

C E Yarwood E C Resconich C I Kado

Phytopatholo 52(1):33-34

Jan 1962 464.8 P56

Plant translocation, Stimulants, Virus diseases (plants).

456-68

STOMATAL PENETRATION OF STEM AND LEAF RUST OF WHEAT AFFECTED BY ATMOSPHERIC CO₂.

D Yirgou R M Caldwell

Phytopatholo 52(1):34

Jan 1962 464.8 P56

Carbon dioxide, Rust (wheat), Stomata, Wheat.

457-68

DIRECT ISOLATION OF FUNGAL SYMBIONTS FROM PINE MYCORRHIZAE.

B Zak

Phytopatholo 52(1):34

Jan 1962 464.8 P56

Fungi, Mycorrhiza, Pinus.

458-68

YELLOW SPOT VIRUS--ANOTHER STRAIN OF ALFALFA MOSAIC VIRUS.

W J Zaumeyey

Phytopatholo 52(5):487

May 1962 464.8 P56

Mosaic (alfalfa).

459-68

ETHIONINE AS A CHEMOTHERAPEUTANT.

G A Zentmyer W Moje S M Mircetich

Phytopatholo 52(1):34

Jan 1962 464.8 P56

Chemical control (plant diseases), Drug therapy, Ethionine.

460-68

PEAR RUST (GYMNOSPORANGIUM FUSCUM) IN NORTH AMERICA.

W G Ziller

Plant Dis R 45(2):90-94, BIBL. 93-94

15 Feb 1961 1.9 P69P

Gymnosporangium fuscum DC, Rust (pears).

461-68

PINE TWIST RUST (MELAMPSORA PINITORQUA) IN NORTH AMERICA.

W G Ziller

Plant Dis R 45(5):327-329

15 May 1961 1.9 P69P

Melampsora pinitorqua, Pinus ponderosa,

Rust (pinus ponderosa), Twist rust (pine).

462-68

SPONTANEOUS MUTATIONS FOR VIRULENCE IN PUCCINIA CORONATA.

D E Zimmer J F Schafer F L Patterson

Phytopatholo 52(1):34

Jan 1962 464.8 P56

Plant mutation, Puccinia coronata, Virulence.

463-68

COMPARATIVE RESISTANCE OF FIVE LETTUCE VARIETIES TO BIG VEIN DISEASE.

F W Zink

Plant Dis R 47(8):714-716

15 Aug 1963 1.9 P69P

Big vein (lettuce), Plant disease resistance,

Plant disease transmission.

Arthropods

464-68

A COMPARISON OF SWEEPING AND VACUUM COLLECTING CERTAIN INSECTS AFFECTING FORAGE CROPS.

R A Callahan F R Holbrook F R Shaw

J Econ Entom 59(2):478-479, BIBL.

Apr 1966 421 J822

Forage plants, Insect collecting equipment, Insects.

465-68

HUSK TIGHTNESS, EARWORM EGG NUMBERS, AND STARCHINESS OF KERNELS IN RELATION TO RESISTANCE OF CORN TO THE CORN EARWORM.

J W Cameron L D Anderson

J Econ Entom 59(3):556-558

Jun 1966 421 J822

Heliothis zea, Husk tightness, Kernels starch content.

466-68

THE MITE NALEPELLA TSUGIFOLIAE (ACARINA, ERIOPHYIDAE) ON BALSAM FIR--A NEW HOST RECORD.

D C Eidt

J Econ Entom 59(5):1279

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Abies balsamea, Abies balsamea (L.), Minute mites.

467-68

POTATO PSYLLID AND GREEN PEACH APHID CONTROL ON KENNEBEC POTATOES WITH TEMIK AND OTHER INSECTISIDES.

P D Gerhardt

J Econ Entom 59(1):9-11

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Insect control, Myzus persicae, Paratrioza cockerelli, Temik.

468-68

CONTROL OF INSECTS AND MITES ON FRUIT TREES BY TRUNK INJECTIONS.

F H Harries

J Econ Entom 58(4):631-634, TABS.

Aug 1965 421 J822

Insect control, Mites, Trees.

469-68

LEAF ROLLER CONTROL ON OAKS WITH CARBARYL.

J D Kegg

J Econ Entom 59(5):1298

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Archips argyrospilus, Carbaryl, Leaf roller, Quercus.

470-68

NATURAL CONTROL OF THE BAGWORM AND NOTES ON ITS STATUS AS A FOREST PEST.

H M Kulman

J Econ Entom 58(5):863-866

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Thyridopteryx ephemeraeformis.

471-68

SYSTEMICS FOR CONTROL OF THE CLEARWINGED COTTONWOOD LEAF APHID IN SOUTHEAST WYOMING.

R J Lavigne L Stevens

J Econ Entom 58(5):818-821

Oct 1965 421 J822

Clearwinged cottonwood leaf aphid, Wyoming.

472-68

EFFECTS OF FERTILIZERS ON HESSIAN FLY INFESTATION.

B N Okigbo G G Gyrisco

55(5):753-760, TABS.

Oct 1962

Crop yields, Fertilizers, Mayetiola destructor.

473-68

THE EFFECTIVENESS OF A MICROBIAL INSECTICIDE AGAINST LARVAE OF THE EUROPEAN PINE SHOOT MOTH, RHYNCHIONIA BUOLIANA (SCHIFFERMULLER).

P J Pointing

J Invertebrate Path 4(4):484-486

- Dec 1962 421 J826
Bacillus thuringiensis Berliner,
Biological control (insects), Insecticides,
Bacillus thuringiensis Berliner.
- 474-68
CONTROL WITH AZODRIN OF THE TWO-SPOTTED SPIDER MITE ON POTATOES.
D M Powell B J Landis
J Econ Entom 59(5):1304-1305
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Azodrin, Potatoes, Tetranychus urticae.
- 475-68
THE USE OF PATHOGENS IN THE CONTROL OF THE CORN EARWORM, HELIOTHIS ZEA (BODDIE).
Y Tanada C Reiner
J Invertebrate Path 4(2):139-154, BIBL. 153-154, TABS.
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Biological control (insects), Polyhedroses.
- ## Nematodes
- 476-68
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J R Bloom
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Anguina tritici, Nematodes, Plant galls, Temperature, Wheat, Anguina tritici.
- 477-68
CONTROL OF ROOT-KNOT NEMATODES IN DIOSCOREA TUBERS.
C Bruhn W Koch
Phytopatholo 53(1):24
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Chemical control (nematodes), Nematocides, Plant nematodes, Yams.
- 478-68
ATTRACTION OF PRATYLENCHUS PENETRANS TO PLANT ROOTS.
T Chen A E Rich
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Attractants, Plant nematodes, Pratylenchus penetrans, Seedlings, White clover, Pratylenchus penetrans.
- 479-68
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H W Crittenden
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Meloidogyne incognita acrita, Nodules (plants), Soybeans.
- 480-68
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Plant nematodes, Potatoes, Soil fumigation.
- 481-68
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J M Epps A Y Chambers
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Heterodera glycines, Plant nematodes, Soil fumigation, Soybeans, Heterodera glycines.
- 482-68
EFFECTS OF SUGAR TREATMENTS ON THE VIABILITY OF EGGS AND LARVAE IN HETERODERA GLYCINES CYSTS, AND LARVAE AND ADULTS OF OTHER NEMATODE SPECIES.
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Heterodera glycines, Sugar, Heterodera glycines.
- 483-68
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L R Faulkner C B Skotland
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- 484-68
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C M Heald Jr
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Nematodes, Plant growth inhibitors, Pratylenchus penetrans, Pratylenchus penetrans.
- 485-68
CLOVER CYST NEMATODE IN HAWAII.
O V Holtzmann M Aragaki
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Clover, Clover cyst nematode, Hawaii, Plant nematodes, Clover cyst nematode, Hawaii.
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Chemical control (nematodes), Meloidogyne, Meloidogyne.
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R C Lambe W Horne
Plant Dis R 47(10):941
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Cotton, Reniform nematode, Texas, Reniform nematode, Texas.
- 489-68
XANTHOMONAS VESICATORIA, A RESIDENT ON TOMATO.
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Plant hosts, Tomatoes, Xanthomonas vesicatoria.
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- 491-68
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Meloidogyne, Plant nematodes, Sugars, Tomatoes, Meloidogyne.
- 495-68
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E A Pepper
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Barley, Nematodes, Soil analysis, Wheat.
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J L Ruehle J N Sasser
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Pinus, Plant dwarfing, Plant nematodes.
- 502-68
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Meloidogyne incognita incognita.
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Ditylenchus dipsaci, Onions, Ontario, Ditylenchus dipsaci,
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A K Sen
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Heterodera trifolii, Host indexing (plants), Nematodes,
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Oats, Helminthosporium victoriae,
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Plant nematodes.
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I J Thomason
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Heterodera schachtii, Plant nematodes, Reproduction, Soils,
Heterodera schachtii.
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Nematode morphology, Plant nematodes, Soil texture,
Tylenchulus semipenetrans.
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Weeds

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D C Burnside H J Gorz
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WHIRL CHAMBER NOZZLES COMPARED TO OTHER HERBICIDE NOZZLES.
G C Klingman
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Herbicides, Nozzles, Spraying equipment.

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HERBICIDES.
E L Knake F W Slife R D Seif
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Amiben, Atrazine, Rotary hoes.

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Phorate, Toxicology.

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Synergism.

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M C Wilson R E Treece
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